

Product datasheet for **KN208239RB**

GFM1 Human Gene Knockout Kit (CRISPR)

Product data:

Product Type:	Knockout Kits (CRISPR)
Format:	2 gRNA vectors, 1 RFP-BSD donor, 1 scramble control
Donor DNA:	RFP-BSD
Symbol:	GFM1
Locus ID:	85476
Components:	KN208239G1 , GFM1 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002) KN208239G2 , GFM1 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002) KN208239RBD , donor DNA containing left and right homologous arms and RFP-BSD functional cassette. GE100003 , scramble sequence in pCas-Guide vector
Disclaimer:	These products are manufactured and supplied by OriGene under license from ERS. The kit is designed based on the best knowledge of CRISPR technology. The system has been functionally validated for knocking-in the cassette downstream the native promoter. The efficiency of the knock-out varies due to the nature of the biology and the complexity of the experimental process.
RefSeq:	NM_001308164 , NM_001308166 , NM_024996
UniProt ID:	Q96RP9
Synonyms:	COXPD1; EFG; EFG1; EFGM; EGF1; GFM; hEFG1
Summary:	Eukaryotes contain two protein translational systems, one in the cytoplasm and one in the mitochondria. Mitochondrial translation is crucial for maintaining mitochondrial function and mutations in this system lead to a breakdown in the respiratory chain-oxidative phosphorylation system and to impaired maintenance of mitochondrial DNA. This gene encodes one of the mitochondrial translation elongation factors. Its role in the regulation of normal mitochondrial function and in different disease states attributed to mitochondrial dysfunction is not known. [provided by RefSeq, Jul 2008]



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Product images:

